

# Flu Watch

MMWR Week 37: September 8 to September 14, 2019

*All data are provisional and subject to change as more reports are received.*

## Geographic Spread



South Carolina reported **sporadic activity** this week.

## Influenza Activity



Overall, there was an increase in influenza activity this week.

## Regional Influenza Activity



Increased



No change



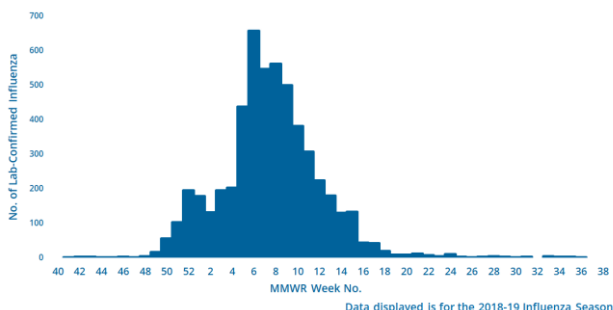
No change



Increased

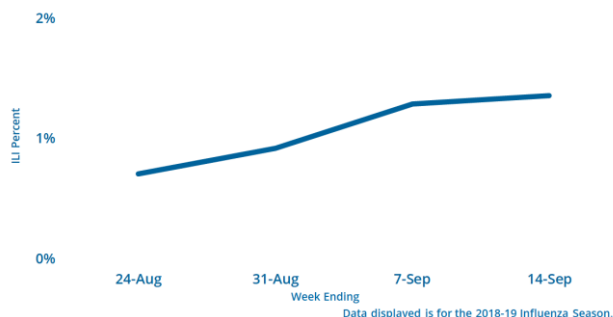
## Virologic Surveillance

This week **3** lab-confirmed tests were reported. In the current flu season, there have been **4752** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.36%**, which is **below** South Carolina's baseline (**3.53%**). The ILI activity level overall was minimal.



## Influenza-Associated Hospitalizations

This week **5** influenza-associated hospitalizations were reported by **42** hospitals. The cumulative hospitalization rate is **55.2 per 100,000**. In the current flu season, there have been **2772** influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **2.1 per 100,000**. In the current flu season, there have been **105** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

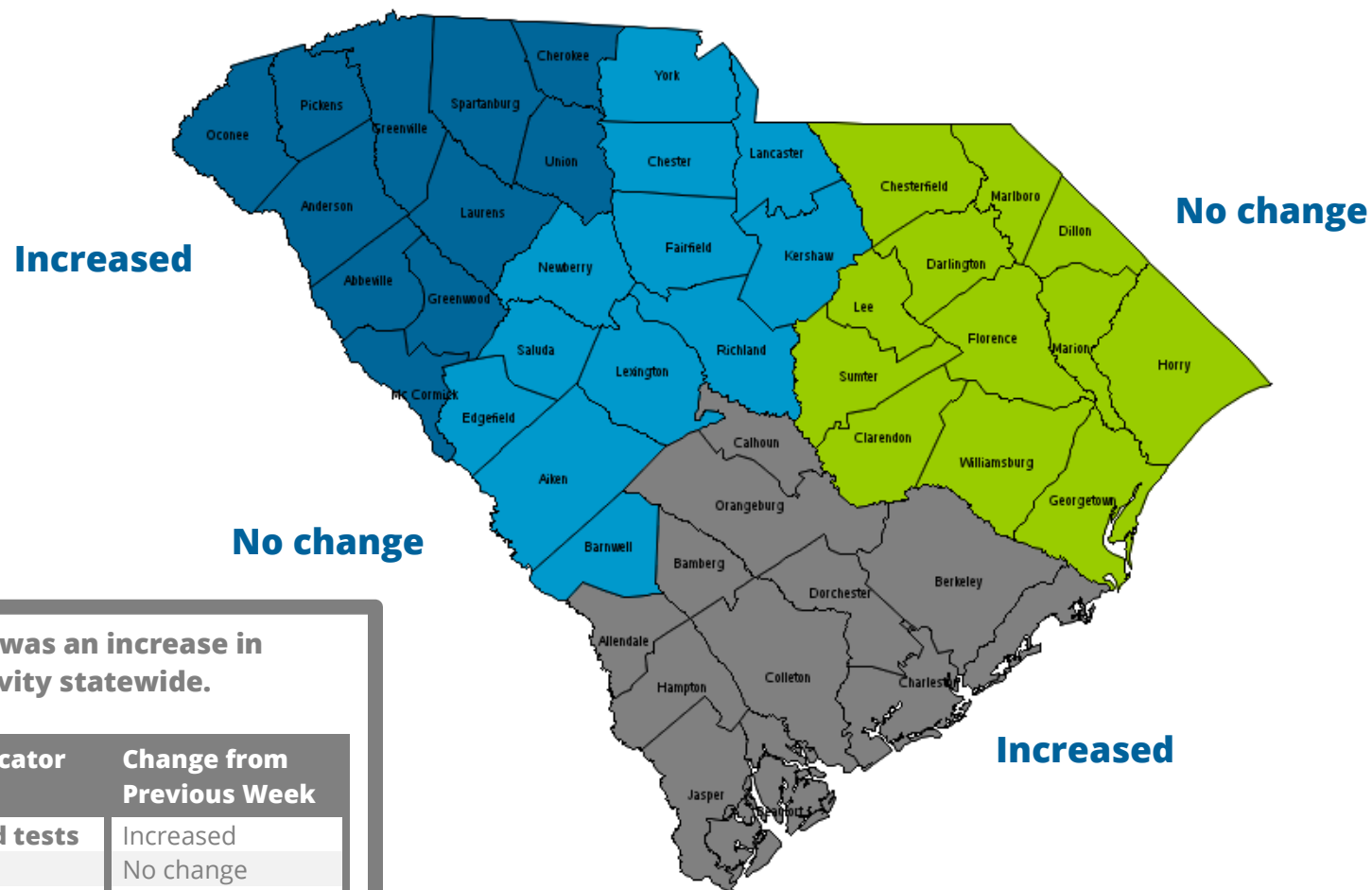
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



Overall there was an increase in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Increased
ILI Percent	No change
Hospitalizations	Increased

\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

# Virologic Surveillance

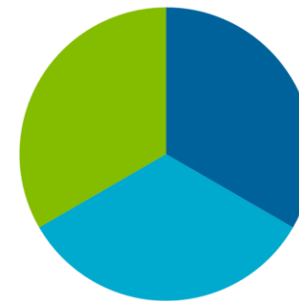
Influenza Type	Season Totals To Date				
	No. (%)	This Week	2018-19	2017-18	2016-17
<b>Overall</b>		<b>3</b>	<b>4752</b>	<b>3594</b>	<b>2464</b>
<b>Influenza A</b>	<b>2(66.7)</b>	<b>4593(96.7)</b>	<b>2459(68.4)</b>	<b>1579(64)</b>	<b>1291(72)</b>
A(H3)	1(50.0)	610(13.3)	537(21.8)	415(26.2)	281(21.7)
A(H1N1)	--	466(10.1)	213(8.7)	64(4.1)	299(23.2)
A(NS)*	1(50.0)	3517(76.6)	1709(69.5)	1100(69.7)	711(55.1)
<b>Influenza B</b>	<b>1(33.3)</b>	<b>159(3.3)</b>	<b>1135(31.6)</b>	<b>885(36)</b>	<b>502(28)</b>
B (Victoria)	--	2(1.3)	2(0.2)	--	0.4(0.1)
B(Yamagata)	--	--	55(4.8)	--	11(2.2)
B (LND)*	1(100.0)	157(98.7)	1078(95)	885(100)	490(97.7)

\*NS – not subtyped

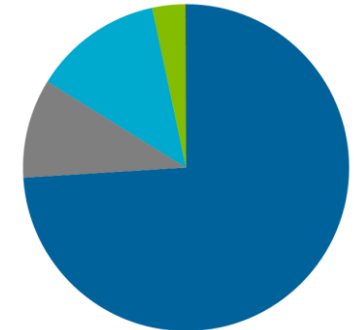
\*LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

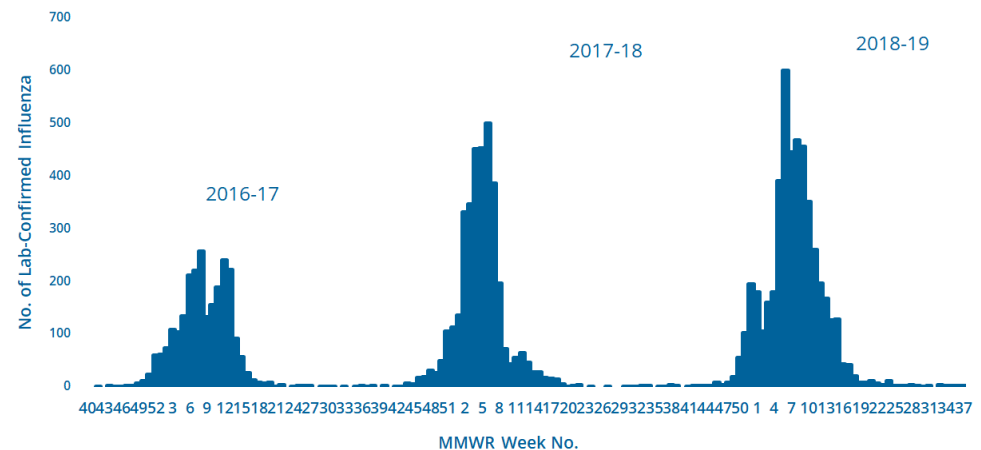
Week ending 9/14



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



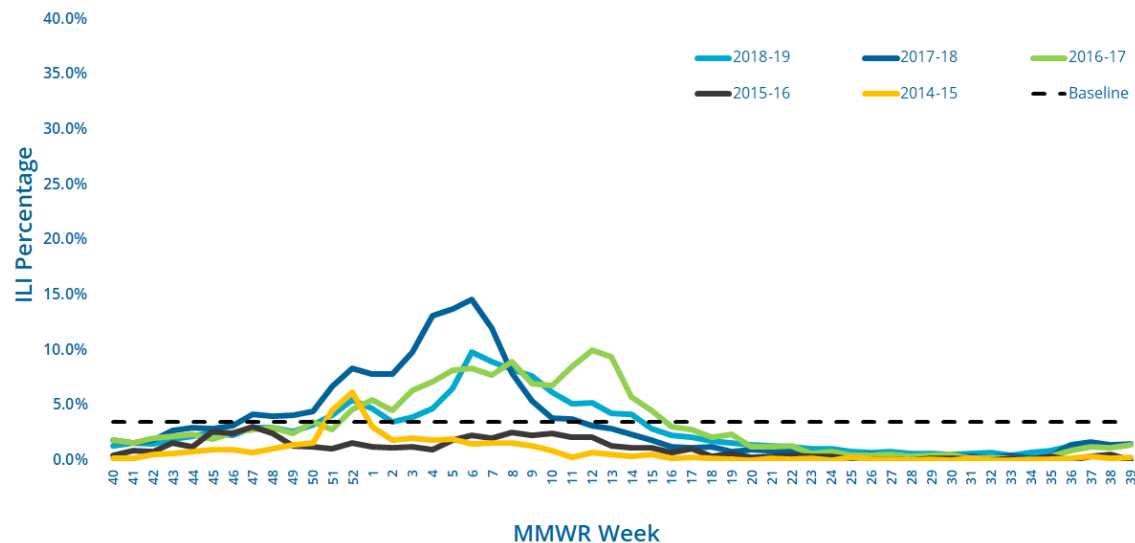
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.36%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

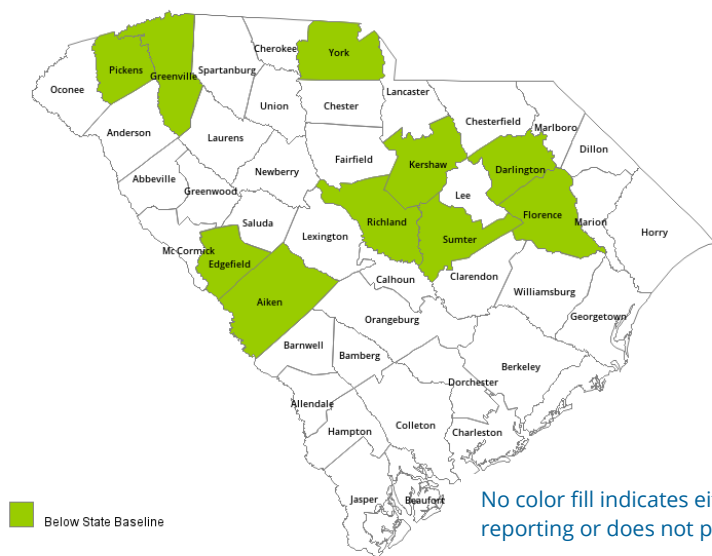
Reports were received from providers in **10** counties, representing all DHEC Public Health regions, except the Lowcountry region.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Ages					Ages 65+
	Overall	0-4	5-17	18-49	50-64	
<b>This Week</b>	5	1	--	--	2	2
<b>2018-19</b>	2772(55.2)	130(44.3)	128(15.8)	434(21.1)	679(68.0)	1401(162.0)
<b>2017-18</b>	4544(90.4)	161(54.8)	142(17.5)	596(29.0)	1059(106.1)	2586(299.1)
<b>2016-17</b>	2550(51.4)	117(40.1)	133(16.5)	346(17.0)	576(58.1)	1378(166.1)
<b>5 season average</b>	2750(55.9)	160(54.8)	120(15.0)	447(22.0)	646(65.8)	1376(169.8)

Deaths No. (Rate)	Ages					Ages 65+
	Overall	0-4	5-17	18-49	50-64	
<b>This Week</b>	--	--	--	--	--	--
<b>2018-19</b>	105(2.1)	2(0.7)	1(0.1)	9(0.4)	24(2.4)	69(8.0)
<b>2017-18</b>	291(5.8)	3(1.0)	--	27(1.3)	52(5.2)	209(24.2)
<b>2016-17</b>	97(2.0)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	70(8.4)
<b>5 season average</b>	130(2.6)	1(0.3)	1(0.1)	15(0.7)	24(2.5)	88(10.9)

